Substitute for Form 14	40 A & D/DTYO			Сотр	lete if Known	
Substitute for Portis 14	AYA & BIFTO			Application Number	10/813,269	
TINFO	<b>RMATION</b>	DISCLOS	SURE	Confirmation Number	5356	
	TEMENT B			Filing Date	March 31, 2004	
2004 H				First Named Inventor	Lawrence SHAH	
(us	e as many shee	ts as necessa	ry)	Art Unit	2828	
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RADIO	1	of	4	Attorney Docket Number	A8700	

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F	Cita	Document	Number	Publication Date					
Examiner Cite Initials* No.1		Number	Kind Code <sup>1</sup> (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document				
DW		US 5,720,894	Α	02-24-1998	Neev et al.				
		US 5,978,538	Α	11-02-1999	Miura et al.				
		US 6,146,375	Α	11-14-2000	Juhasz et al.				
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		US 6,312,768	B1	11-06-2001	Rode et al.				
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Examiner	Cite	Foreign Patent Document		Publication Date	Name of Patentee or				
Initials*	No.1	Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation6		
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
DM		Manufacturing of High Quality Integrated Optical Components by Laser Direct-Write (M103) Ph. Bado, A. A. Said, Mark Dugan, Translume, 755 Phoenix Drive, Ann Arbor, Michigan 48108	
١		A Study of the Effect of Weld Parameters on Strengths of Clearwelded TM Thermoplastics (602) Nicole M. Woosman and Michelle M. Burrell Gentex Corporation Carbondale, Pennsylvania, USA	
		Writing of permanent birefringent microlayers in bulk fused silica with femtosecond laser pulses L. Sudrie, M. Franco, B. Prade, A. Mysyrowicz* Received 9 August 1999; accepted 22 September 1999	
		Burst-mode femtosecond ablation in Copper and Lexan Craig W. Siders, Martin Richardson, Nikolai Vorobiev, Ty Ohlmstead, Rob Bernath, and Tina Shih The School of Optics/CREOL, University of Central Florida, Orlando Florida 32816-2700	
		Femtosecond Laser Fabricated Nanostructures in Silica Glass R.S. Taylor, C. Hnatovsky, E. Simova, Institute for Microstructural Sciences, National Research Council; D.M. Rayner, V. R. Bhardwaj and P.B. Corkum Steacie Institute for Molecular Sciences, National Research Council	
V		Femtosecond laser ablation of silicon-modification thresholds and morphology J. Bonse", S. Baudach, J. Kruger, W. Kautek, M. Lenzner Laboratory for Thin Film Technology, Federal Institute for Materials Research and Testing (BAM), Unter den Eichen 87, 12205 Berlin Germany, Received 4 Dec. 2000/Revised version: 29 March 2001/Published online: 20 June 2001 - @ Springer-Verlag 2001	

Examiner Signature	Date Considered 6/15/86

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

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INFO	RMATION	DISCLOS	SURE	Confirmation Number	5356			
	STATEMENT BY APPLICANT			Filing Date	March 31, 2004			
=====				First Named Inventor	Lawrence SHAH			
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				Examiner Name	Not yet assigned			
Sheet	2	of	4	Attorney Docket Number	A8700			

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		' Document Nu	mber						
Examiner Initials*	Cite No. <sup>1</sup>	Number	Kind Code <sup>1</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document				
טא	-	US 6,421,573	B1	07-16-2002	Kfka et al.				
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		US 6,573,026	B1	06-03-2003	Aitken et al.				
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V		US 2002/0193704	A1	12/19/2002	Goldstein et al				

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Examiner	Cite	Fo	reign Patent Docur	nent	Publication Date	Name of Patentee or	70		
Examiner Initials*	No.1	Country Code <sup>3</sup>	· Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	-Translation*		
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NON PATENT LITERATURE DOCUMENTS								
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or		Femtosecond writing of active optical waveguides with astigmatically shaped beams Roberto Osellame, Stefano Taccheo, Marco Marangoni, Roberta Ramponi, and Paolo Laporta, Dario Polli, Sandro De Silvestri, and Giulio Cerullo, Received November 19, 2002; revised manuscript received February 7, 2003	,					
		Laser Welding of Plastics - Process Selection Software (601) Ian Jones and Sam Rostami Polymer Group, TWI, Cambridge UK						
		Proceedings of the International Tribology Conference Nagasaki, 2000 MICROTEXTURING OF FUNCTIONAL SURFACES FOR IMPROVING THEIR TRIBOLOGICAL PERFORMANCE Henry HAEFKE, Yvonne GERBIG, Gabriel DUMITRU and Valerio ROMANO						
		New low temperature femto-second laser annealing method for TFT fabrication technology Alexei K. Zaitsev, Yi-Chao Wang and Ci-Ling Pan; Jia-Min Shieh						
1		Processing of multi-layer systems using femtosecond, picosecond, and nanosecond lasaer pulses at different wavelengths David Ashkenasi*, Arkadi Rosenfeld** Laser-und Medizin-Technologie GmbH Berlin, Germany; Max Born Berlin, Germany						
V	_	Ripples revisted: non-classical morphology at the bottom of femtosecond laser ablation craters in transparent dielectrics Jurgen Reif*, Florenta Costache, Matthias Henyk, Stanislav V. Pandelov						

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

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		<del></del>		First Named Inventor	Lawrence SHAH	
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Sheet	3	of	4	Attorney Docket Number	A8700	

	U.S. PATENT DOCUMENTS									
Examiner	Cite	Document i	Number	Publication Date						
Initials*	No.1	Number	Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document					
1)4		US RE37,585	E	03/19/2002	Mourou et al					
		US 6,372,103	B1	04/16/2002	Репу et al					
		US 6,414,320	B1	07/02/2002	Ishikawa et al					
1		US 6,341,009	B1	01/22/2002	O'Connor et al					
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	-	NON PATENT LITERATURE DOCUMENTS	
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DW		CWI1 Self-organized form birefringence in glass irradiated by intense ultrashort light pulses P.G. Kazansky, J. Mills, E. Bricchi, J.J. Baumberg, J. Qiu and K. Hirao	
		CFF2 Single-pulse and 'pulsetrain-burst' (>100 MHz) effects in ultrafast laser processing of metals, glasses, and bio-tissues Santiago Camacho-Lopez, Rodger Evans, Catherine Greenhalgh, Cristian Torti, John Robertson, Robin Marjoribanks, Peter Herman, Marc Nantel, Lothar Lilge	
		Proc. SPIE Vol. 4274 STRUCTURING SILICON WITH FEMTOSECOND LASERS H.K. Tonshoff, A. Ostendorf, T. Wagner Laser Zentrum Hannover e. V. (www.lzh.de), Hollerithallee 8, D-30419 Hannover, Germany	
	,	Optics Communications 191 (2001) 333-339 Study of damage in fused silica induced by ultra-short IR laser pulses L. Sudrie, M. Franco, B. Prade, A. Mysyrowicz* Received 15 January 2001; accepted 28 February 2001	
		Applied Physics Letters, Volume 82, Number 17, 28 April 2003, Surface nanostructuring of borosilicate glass by femtosecond nJ energy pulses	
$\bigvee$		Ultra-fast laser-induced processing of materials: fundamentals and applications in micromachining Tae Y. Choi, Anant Chimmalgi and Constantine P. Grigoropoulos Department of Mechanical Engineering, University of California, Berkeley	

Examiner Signature	W	Date Considered	6/15/06

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

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		Cite No.1	Examiner Initials*
	Ultrafast pulse train micromachining Ihtesham H. Chowdhury, Xianfan Xu, Andrew M. Weiner, School of Mech. Engg., Purdue Univ., W. Lafayette, IN, USA 47907-1288 School of Elec. and Comp. Engg., Purdue Univ., W. Lafayette, IN, USA 47907-1285	/	DW
	Ultra-High Resolution Index of Refraction Profiles of Femtosecond Laser Modified Silica Structures, R.S. Taylor, C. Hnatovsky, E. Simova, D.M. Rayner, V.R. Bhardwaj and P.B. Corkum Abstract: Ultra-high spatial resolution index of refraction profiles of femtosecond laser modified structures in silica glass		1)
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<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>2</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.

Substitute for Form 1449 A & B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICATE

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of 4 Sheet 1.

Сотр	olete if Known
Application Number	10/813,269
Confirmation Number	5356
Filing Date	March 31, 2004
First Named Inventor	Lawrence SHAH
Art Unit	2828
Examiner Name	Dung T. NGUYEN
Attorney Docket Number	A8700

	U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number  Kind Code <sup>2</sup> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document					
02		US RE37,585	E	03/19/2002	Gerard Mourou					
1		US 6,333,485 `	Bl	12/25/2001	Richard Alan Haight					
•		US 6, 268,586	Bl	07/31/2001	Brent C. Stuart					
		US 5,720,894		02/24/1998	Joseph Neev					
		US 6,552,301	B2	04/22/2003	Peter R. Herman					
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		US 6,421,573	BI	07/16/2002	James D. Kafka					
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		US 2003/0035640	Al	02/20/2003	Mark Dugan					
		US 6,573,026	B1	06/3/2003	Bruce G. Aitken					
/		US 2003/0110810	Al	06/19/2003	Douglas Scott Dunn					
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V		US 6,407,361		06/18/2002	Mark S. Williams					

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Examiner Initials*	Cite	Foreign Patent Document			Publication Date	Name of Patentee or				
	No.1	Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation*			

	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>4</sup>					
DW		Tae Y. Choi, "Ultra-fast laser-induce processing of materials: fundamentals and applications in micromaching." SPIE Proceedings Vol 4637 (2002) pp. 204-211						
1		Ihtesham H. Chowdhury, "Ultrafast pulse train micromaching," Spie Proceedings Vol 4978 (2003) pp. 138-146						
V		Santiago Camacho-Lopez, "Single-pulse and 'pulsetrain-burst' (>100MHz) effects in ultrafast laser processing of metals, glasses, and bio-tissues" OSA CLEO 2003 in Baltimore, MD (May) Paper CFF2						

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<sup>&#</sup>x27;Applicant's unique citation designation number (optional). 2See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to indicate here if English language Translation is attached.

Complete if Known INFORMATION DISCLOSURE Substitute for Form 1449 A & B/PTO 10/813,269 **Application Number** Confirmation Number 5356 STATEMENT BY APPLICANT COM Filing Date March 31, 2004 First Named Inventor Lawrence SHAH 2828 (use as many sheets as necessary) Art Unit **Examiner Name** Dung T. NGUYEN Attorney Docket Number Sheet A8700

	U.S. PATENT DOCUMENTS									
Examiner Cite Initials* No.		Document No	umber							
		Number Kind Code <sup>2</sup> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document					
DV		US 6,312,768		11/6/2001	Andrei Rode					
07		US 6,372,103	B1	4/16/2002	Michael D. Perry					
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	No.1	Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation <sup>6</sup>
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		L. Sudrie, "Writing of permanent birefringement microlayers in bulk fused silica with	
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17		Jurgen Reif, "Ripples revisited: non-classical morphology at the bottom of femtosecond laser	
$\perp V \perp$		ablation craters in transparent dielectrics," Applied Surface Science 197-198 (2002) 891-895	<u> </u>
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INFORMATION DISCLOSURE

STATEMENT BY APPLICATION

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Application Number	10/813,269
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Attorney Docket Number	A8700

			U.S. 1	PATENT DOCUM	ENTS
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation
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MODIFIED PTO/SB/08 A & B (08-03) Complete if Known Substitute for Form 1449 A & B/PTO 10/813,269 **Application Number** Confirmation Number 5356 **INFORMATION DISCLOS** Filing Date March 31, 2004 STATEMENT BY APPLICANT First Named Inventor Lawrence SHAH (use as many sheets as necessary) Art Unit 2828 Dung T. NGUYEN **Examiner Name** Sheet 4 of 4 **Attorney Docket Number** A8700

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